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1. Introduction

Thank you for purchasing the ICA-601 / ICA-651. It is versatile and high image solution of the perfect outdoor surveillance application for day and night. The ICA-601 / ICA-651 is also a stand-alone camera system with a built-in processor and web server that provides highest quality video and system performance.

1.1 Before Installation

Before installation, please be sure to read this quick installation guide of user's manual (of the bundled CD) carefully to complete machine installation.

1.2 System Requirements

Network Interface	10/100MBase-TX Ethernet
Monitoring System	Recommended for Internet Explorer 6.0 or later
System Hardware	· CPU: Pentium 4, 1.5GHz or above · Memory Size : 512 MB (512 MB or above Recommended) · VGA card resolution : 1024 x 768 or above · Sound card · **Network bandwidth: In VGA resolution mode, minimum upload bandwidth is 1Mbps.**
System Requirement	For Viewer & Recorder Application
Support OS	Win 2000 / XP
System Hardware	16 cameras surveillance application · CPU: Pentium 4, 2.8GHz or faster · Memory Size : 512 MB or above · VGA card resolution : 1024 x 768 or above · Sound card · Free space of hard disk: 10GB or higher · Power Supply: 300W or higher

2. Hardware Installation

2.1 ICA-601 - Indoor Speed Dome Internet Camera

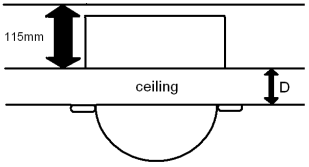
2.1.1 Package Content

ICA-601 x 1	User's Manual and Utility CD x 1	Quick Guide x 1
Leaf Spring x 3	Telephone box x 1	Screw x 3
Power Adapter x 1	Software CD x 1	

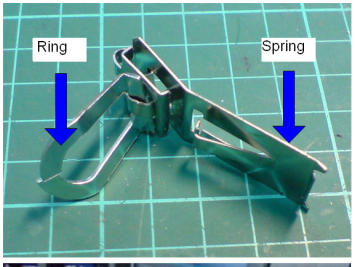
2.1.2 Physical Installation

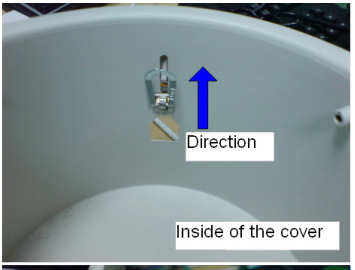
Note	1. During the installation, please take care and avoid crash. That may cause the device damage. 2. Please make sure the hardware had been located on the cell or roof properly. If the hardware drops down, it is possible make someone hurt. Please check the hardware again after the installation.

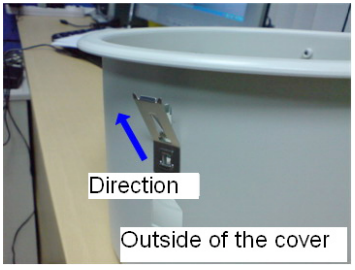
1. Cut a 218~220mm diameter hole on false ceiling (according to speed dome outer cover). The ceiling needs to embed the 115mm depth speed dome IP cam body.

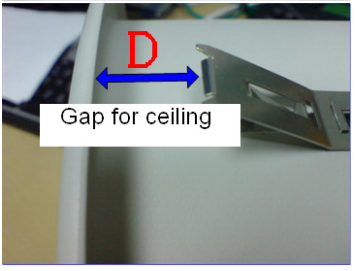


2. Take away the 3pcs leaf springs inside the accessory box. Attach the springs onto the outer cover. According to thickness of ceiling to adjust the location of springs. Find springs directions as following photo:



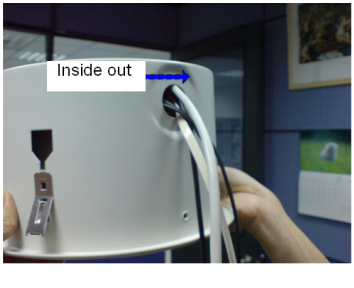




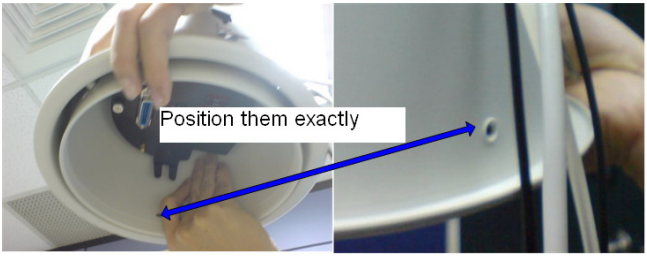


3. Push this outer cover into the ceiling. Check if the leaf springs are clipped to ceiling tightly.
4. Find safety hook inside the outer cover. Use the safety hook hanging the inner speed dome cover

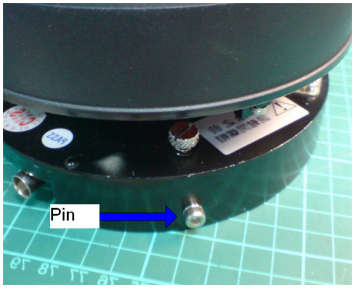
5. Have all the cables across the outer cover

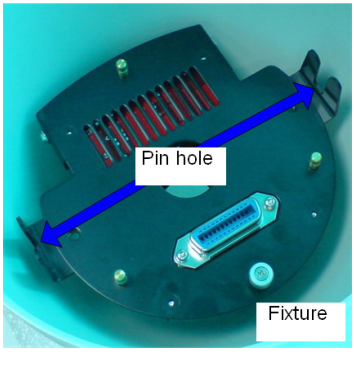


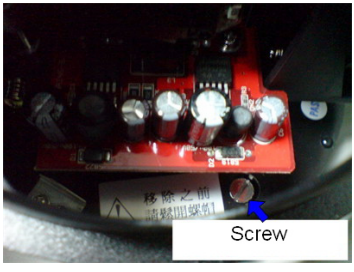
6. Take away 3pcs screws inside the accessory box. Use the screws to fix the inner cover and outer cover.



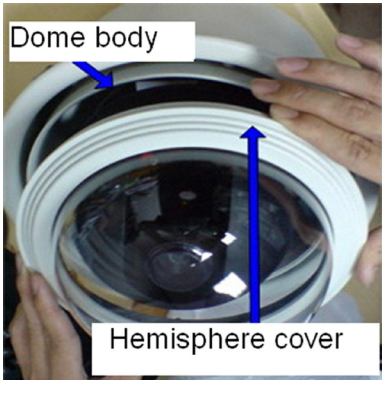
7. Check speed dome main body. Fit in the pin into pin hole of base plate. Drive 2pcs screws until the speed dome fits the plate tightly and solidly







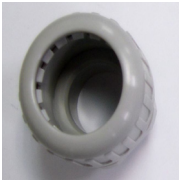
8. Follow anti-clockwise to fix the hemisphere cover onto speed dome.



9. Now the ICA-601 is fixed on the ceiling.

2.2 ICA-651 - Outdoor Speed Dome Internet Camera

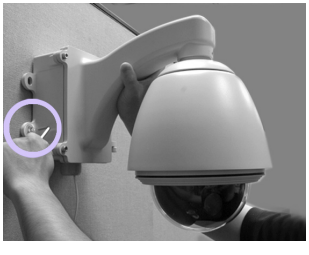
2.2.1 Package Content

ICA-651 x 1	User's Manual and Utility CD x 1	Quick Guide x 1
Cable tube x 1	Telephone box x 1	Wrench x 2
		
Power Adapter x 1	Software CD x 1	

2.2.2 Physical Installation

Note	1. During the installation, please take care and avoid crash. That may cause the device damage. 2. Please make sure the hardware had been properly locate on the wall. If the hardware drops down, it is possible make someone hurt. Please check the hardware again after the installation.

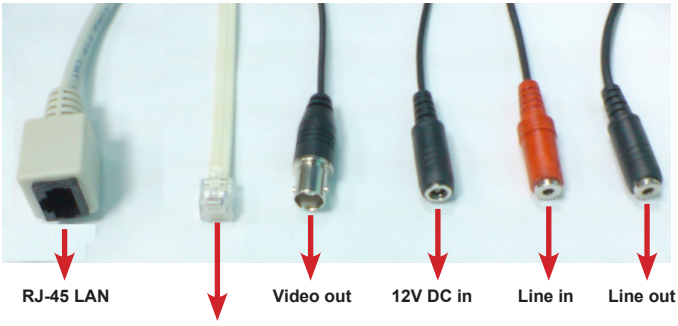
1. Use the rubber ring, nut, and screw to mount the power box and ICA-651 to the wall.



Note: You need to choose correct screws to fix the ICA-651 to the wall. Other types of screws need to buy locally.

2. Now the ICA-651 is fixed on the wall.

3. Identification of Cables



1. **RJ45 LAN socket**

   Connect to PC or Hub/Switch. For connect to 10Base-T Ethernet or 100Base-TX Fast Ethernet cabling. This Ethernet port built N-Way protocol can detect or negotiate the transmission speed of the network automatically. Please use Category 5 “straight through” cable to connect the ICA-601 / ICA-651 to a 100Mbps Fast Ethernet network switch or hub.

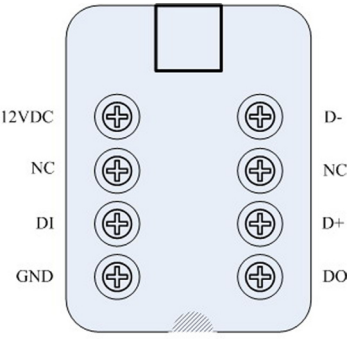
   Note: In case you need to connect the device to PC or notebook directly, you should use cross over cable instead.

2. **RS-485 & DI/DO**

   Connect to a local keyboard controller and connect to sensor in and alarm out devices

   Inside the TEL box:

Name	Function
12VDC	DC 12V (50mA maximum)
GND	GND
D+	RS485 data +
D-	RS485 data -
DI	Digital signal input
DO	Digital signal output



3. **Local Video output (BNC port)**

   The Network Camera also provides composite video output. User can use BNC video cable to connect the Network Camera with a TV monitor or VCR.

4. **DC-in Jack**

   The input power is 12VDC. Note that supply the power to the Network Camera with standard power adapter included in package. Otherwise, the improper power adapter may damage the unit and result in danger.

5. **Line in (audio in)**

   Connect an audio input source to the ICA-601 / ICA-651.

6. **Line out (audio out)**

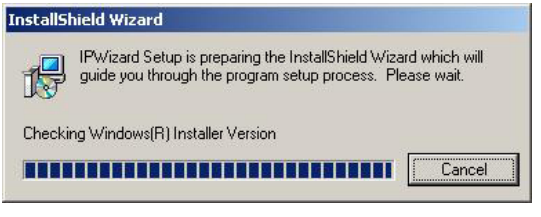
   Connect a loud speaker to the ICA-601 / ICA-651. This function is for voice alerting and two-way audio.

4. Initial Utility Installation and operation

4.1 IPWizard Installation

1. Insert the bundled CD into the CD-ROM drive to launch the autorun program. Once completed, a welcome menu screen will appear.
2. Click the “IPWizard” hyperlink; you will see the InstallShield Wizard dialog box as below.

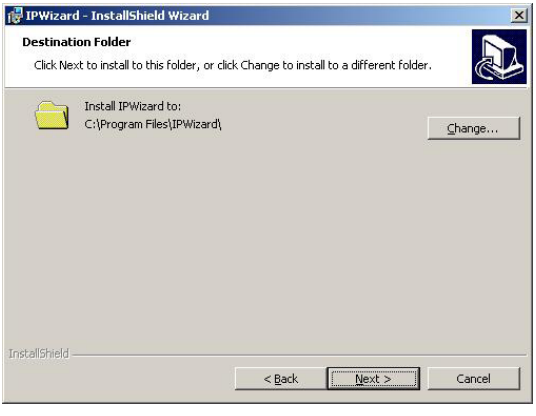
Note: If the welcome screen does not appear, click “Start” at the taskbar. Then, select “Run” and type “D:\Utility\setup.exe”, assume D is your CD-ROM drive.


InstallShield Wizard
IPWizard Setup is preparing the InstallShield Wizard which will guide you through the program setup process. Please wait.
Checking Windows(R) Installer Version
Cancel

3. The “Welcome to the InstallShield Wizard for IPWizard” will display on the screen and click “Next” to continue.

IPWizard - InstallShield Wizard
Welcome to the InstallShield Wizard for IPWizard
The InstallShield(R) Wizard will install IPWizard on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.
< Back
Next >
Cancel

4. Please click “Next” to install with original settings, or you may click “Change…” button to modify the install folder then press “Next” to continue.



5. Please click “Install” to start the installation.

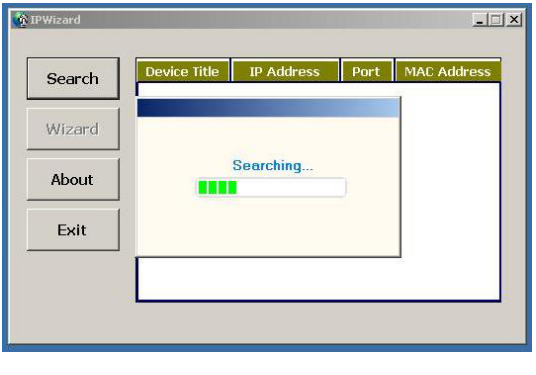
6. Please click “Finish” to complete the installation

IPWizard - InstallShield Wizard
InstallShield Wizard Completed
The InstallShield Wizard has successfully installed IPWizard. Click Finish to exit the wizard.
< Back
Finish
Cancel

7. Please double-click the IPWizard icon

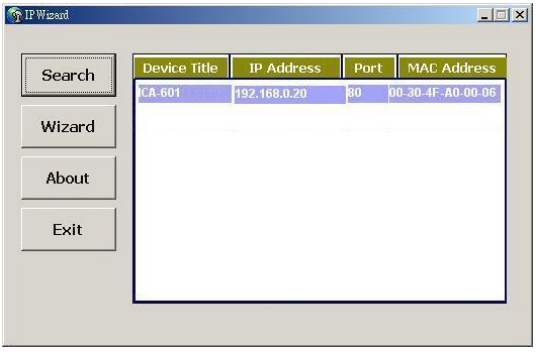
on the desktop then you will see the utility screen.

8. Press “Search” button. IPWizard will list all IP Cameras in your LAN environment. Please check next section.



4.2 Wizard function

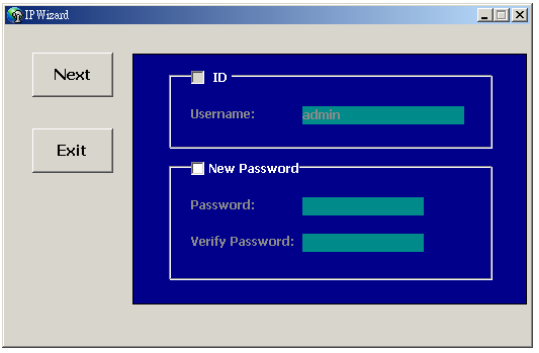
Note: Please select your camera and press “Wizard”. The utility featured of “Wizard” function to help user to initial camera. User can setup IP address, username and password step by step.



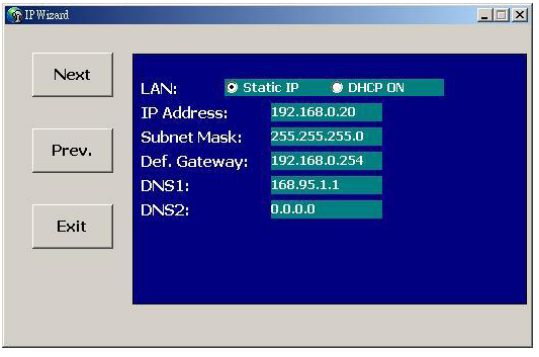
Please enter User Name and Password. Default Username is: **admin**, leave password blank. Then click “Submit”.

4.3 Username and Password

You may change the ID and assign a new password to your ICA-601 / ICA-651 or keep the original and press “Next” to continue.



You can select “Static IP” and enter the IP settings. Or select “DHCP ON” when there is a DHCP server in your network.



If no IP address is assigned after 30 seconds, ICA-601 / ICA-651 will use its default address 192.168.0.20. User may open your web browser, and key in http://192.168.0.20 in the address field to login web configuration page and refer to our User’s manual in the bundled CD disk to configure.

5. Further Configuration

If you want to configure more detail settings of ICA-601 / ICA-651, please refer to the user manual in the CD disk.